BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	7	8

I st And Final Bill

SBRNO= 29/16-17 30/6/16

Work code - 005-16-000016

M. A. R. 57 (Rule 116)

Measurement Book

No. B Est cost - 40.00 Lacs

Serial No. .....

Name of Work .... Improvements to Roads and Drains At Surrounding areas (Babanagar) From ..... To ... & Kogilu Lay out in Ward No. 05 Byatarayanapura Sub Division 263117

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Name & Contractor - Sri Sambashiva Chamundeshwari Layout Vidyaranyapur. B.lore-97						
	Work order No. - BBMP/EE/BTP/W.O/55/2016-17						
(1)	Earth Work in Surface excavation in ordinary Soil for covering and lowering the ground manually over men hole & Sirldress covers Road Drains and Trenches & Pipe line and cartage and removing the excavated stuff to a distance						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	8	6	7	8
	Not exceeding 30 MM and lift up to 1.50 MM excavation Surface levelled and neatly dressed disposed earth to be levelled Compact as per Specification.						
	As per Pre-measurment record vide Page No. 263184 to 263187 & this MB.					571.95 m^3	
	Rate 146:88						84008:00
2)	Earth work excavation for foundation & buildings trenches water supply Sanitary line and electrical conduits either in pits or in trenches 1.50 MM and upto						

Date	Full description, etc, of work	Num
1	2	
	in width in hard so dressing the bottom said excavation from exca ese.. compact as p	
	As per Pre-meas	
	Page No. 263 18	
	Rate 264:60	

MENT BOOK

Dimensions			Contents	Reference to last Measureme
ngth 4	Breadth 5	Depth 6	7	8
d upto			1-50 mm excavation	
ering			Dressed lig Rubble cal	
ng			per Specification.	
rement recorded vide				
to 263187			& this MB.	
			571.95 m³	
			84008:00	
foundation & Buildings				
ory line and electrical				
in measuring 1-50 mm ad				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. .....
Name of Work ..... From..... To..... 263118
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	in width in hard soil not exceeding dressing the bottom and sides & ends said excavation from ~~ess~~ & excavation ~~in~~ ~~ess~~ compact as per Specification. As per pre-measurement recorded vide Page No. 263188 to 263188					1-50 mm decreasing and increasing excavation in soil upto 50 mm & this MB. 66.54 m³ 65.04	17606:40 17209=00
	Rate 264:60						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
3)	Removing BS slabs & Drain and stacking with all lead and use ele- Compose as per Specification and direction & Engineer incharge & the work. As Per Pre-measurement recorded vide Page No. 263 188 to 263 191 & this MB. Page 58:32					2301.75 m^2 134238:00	
4)	Refixing Stone slabs & draing and pointing in CM 1:3 with all lead and use ele- Compose as per Specification and direction & Engineer incharge & the work						

M. A. R
Meas

erial No. .....
ame of Work ..... From..
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Number
	2	3
	Quantity vide Page 75:60	
5)	Providing Granite sl dressed and fixed in c with all lead and use and direction & Engin as per Specification.	

T BOOK

nsions		Contents	Reference to last Measureme
Breadth 5	Depth 6	7	8
n and stacking with all			
e as per specification and			
ase & the work.			
ment recorded vide			
263191		& Page MB.	
		2301.75 m²	
			134238:40
raing and pointing			
ext else compose as per			
Engineer incharge & the work			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

erial No. .....
me of Work ..... From..... To..... 263119
me of Contractor of nature of Agency .....
te of commencement of work .....

Date	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Quantity vide	grand	(3)			2301.75 m²	174012:40
	Page 75:60						
(5)	providing granite slabs of selected quality roughly dressed and fixed in CM 1:6 including fixing cramps etc. with all cost and carriage etc. complete as per specification and direction of Engineer incharge of the work, etc. complete as per specification.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
16)	Providing and laying semi dense bituminous concrete 25 mm thick with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregate & specified grading premixed with bituminous binder @ 4.5 to 5% & mix and given transporting the hot mix to work site laying with a high grade paver finisher with sensor control to the required grade level and alignment rolling with smooth wheeled vibratory and tandem roller to achieve the desired compaction as per MORTH specification Compaction in all respects with all lead and lift etc. Complete						

M. A
Me

erial No. .....
ame of Work ..... Fron
ame of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Number
	2	3
	Dwarkanagara (Brundavan Colonage Side	Thar

30/6

MENT BOOK

Dimensions			Contents	Reference to last Measurement
ength 4	Breadth 5	Depth 6	7	8
ni dense bituminous Concrete				
20 TPH batch type HMP Produ				
5 tonnes per hour using				
Specified Grading Premixed				
as 4.5 to 5 % & use as fine				
e with fine laying with a hyd				
ith sensor Control to ins				
d alignment Rolling with				
ny and tandem Roller to ac				
as per MoRTH Specification				
g with all Lead and Lift etc. Complete				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263128

rial No. .....
me of Work ..... From..... To.....
me of Contractor of nature of Agency .....
te of commencement of work .....

Date	Full description, etc, of work 2	Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Dwarkanagara Thayamma Badavane (Brundavan Coleage side Road)						
		1	5.00	$\frac{(6.20+5.30)}{2}$	×0.025	0.71	
		1	30.00	$\frac{(5.30+5.70+4.70)}{3}$	×0.025	3.92	
		1	30.00	$\frac{(4.70+4.50)}{2}$	×0.025	3.45	
		1	30.00	$\frac{(4.80+4.90)}{2}$	×0.025	3.52	
		1	30.00	$\frac{(4.90+4.65)}{2}$	×0.025	3.58	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{(4.65+4.60)}{2}$	x 0.025	3.46	
		1	30.00	4.60	0.025	3.45	
		1	30.00	$\frac{(4.60+4.90)}{2}$	x 0.025	3.56	
		1	30.00	$\frac{(4.90+4.55)}{2}$	x 0.025	3.54	
		1	30.00	$\frac{(4.55+5.40)}{2}$	x 0.025	3.73	
		1	30.00	$\frac{(5.40+6.0)}{2}$	x 0.025	4.27	
		1	30.00	$\frac{(6.0+4.70)}{2}$	x 0.025	4.01	

M.
N
rial No. .....
me of Work ..... Fr
me of Contractor of nature of Agency .....
te of commencement of work .....

ate	Full description, etc, of work	Numb
	2	3
	Checked.	1 1 1 1 1 1

BOOK

ons		Contents	Referen to last Measurem
readth 5	Depth 6	7	8
65 + 4.60)			
2	× 0.025	3.46	
.60	0.025	3.45	
60 + 4.90)			
2	× 0.025	3.58	
90 + 4.55)			
2	× 0.025	3.54	
55 + 5.40)			
2	× 0.025	3.73	
10 + 6.0)			
2	× 0.025	4.27	
0 + 4.70)			
2	× 0.025	4.01	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263129

rial No. .....

me of Work ..... From..... To.....

me of Contractor of nature of Agency .....

te of commencement of work .....

ate	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Checked. ₹. 30/6 ₹.₹. (₹₹.0) on	1	30.00	(4.70 + 4.90) / 2	× 0.025	3.60	
		1	30.00	(4.90 + 4.70) / 2	× 0.025	3.60	
		1	30.00	(4.70 + 4.90) / 2	× 0.025	3.60	
		1	30.00	(4.90 + 5.40) / 2	× 0.025	3.86	
		1	30.00	(5.40 + 5.10) / 2	× 0.025	3.93	
		1	30.00	(5.10 + 5.30) / 2	× 0.025	3.90	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurem
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Cross Road.	1	20.00	$\frac{(5.30+5.10)}{2}$	x 0.025	2.60	
		1	30.00	$\frac{(5.60+5.40)}{2}$	x 0.025	4.12	
	Cite or ..	1	18.70	$\frac{(5.40+5.00)}{2}$	x 0.025	2.43	
	Basanagara 2nd Stage						
		1	30.00	$\frac{(5.0+4.60)}{2}$	x 0.025	3.60	
	Cite or ..	1	27.00	$\frac{(4.60+4.90)}{2}$	x 0.025	3.20	
		1	2.00	4.8	0.025	0.24	

M.

rial No. .....

me of Work ..... F

me of Contractor of nature of Agency .....

te of commencement of work .....

ate	Full description, etc, of work	Num
	2	3
	Cross - A.	1
		1
	Cite or ..	1

T BOOK

sions		Contents	Referen to last Measuren
Breadth 5	Depth 6	7	8
5.30+5.10)			
2	x0.025	2-60	
5.60+5.40)			
2	x0.025	4.12	
5.40+5.00)			
2	x0.025	2.43	
5.0+4.60)			
2	x0.025	3.60	
4.60+4.90)			
2	x0.025	3.20	
4.8	0.025	0-24	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263130

rial No. .....

me of Work ..... From..... To.....

me of Contractor of nature of Agency .....

te of commencement of work .....

ate	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Cross-A.	1	30.00	(5.20+4.70)/2	x0.025	3.71	
		1	30.00	(4.70+5.10)/2	x0.025	3.67	
		1	30.00	(5.10+4.70)/2	x0.025	3.67	
	Cross	1	30.00	(4.70+4.50)/2	x0.025	3.45	
	Ord	1	30.00	4.50	0.025	3.37	
	..	1	4.00	4.50	0.025	0.45	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CROSS. B.	1	30.00	$\frac{(5.70+4.50)}{2}$	×0.025	3.82	
		1	30.00	$\frac{(4.50+5.10)}{2}$	×0.025	3.60	
		1	30.00	$\frac{(5.10+4.65)}{2}$	×0.025	3.65	
		1	22.00	$\frac{(4.65+5.10)}{2}$	×0.025	2.68	
		1	30.00	$\frac{(5.10+4.90)}{2}$	×0.025	3.71	
		1	30.00	5.00	0.025	3.75	

C&M

Assistant Executive Engineer
Byatarayanapura sub division
B.W.S.S.B. Bangalore

M. A. P
Mea

...rial No. .....
...ame of Work ..... From..
...ame of Contractor of nature of Agency .....
...ate of commencement of work .....

...ate	Full description, etc, of work	Number
	2	3
		1
	C&M	1

Assistant Executive Eng
Byatarayanapura Sub D
B.W.S.S.B. Bangalore

Rate 8475:84

AE-05

OK

Depth 6	Contents 7	Reference to last Measurem 8
4.50) 0.025	3.82	
.40) 0.025	3.60	
4.65) 0.025	3.65	
5.40) 0.025	2.68	
4.90) 0.025	3.71	
0.025	3.75	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

263131

erial No. .....

ame of Work ..... From..... To.....

ame of Contractor of nature of Agency .....

ate of commencement of work .....

Date	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
		1	6.50	$\frac{(5.0+4.88)}{2}$	×0.025	0.79	
	Cycle track only	1	30.00	$\frac{(4.70+4.55)}{2}$	×0.025	3.46	
		30.00		$\frac{(4.55+4.50)}{2}$	×0.025	3.39	
						124.50 m	
	Rate 8475:84						1055242:00

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore

Changes TAE-05

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
17)	Lead for Disposal of Debris Shall be Payable as Garage basis by mechanical means including loading and unloading from 0.00 to 2.0 KM with all cost and lift etc., complete as per Specification.						
	Quantity vide Item no.	(1)				571.95 m^3	40151 = 00
	Rate 70:20						
						Total Rs.	3755098
							37,5557

Cert

Bangi
AE-05

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P Bangalore

M. A. R
Meas

Serial No. .....
Name of Work ..... From...
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Number
1	2	3
	Certificate. 1) Certif	
	2) This	
	in an	

Bangi
AE-05

NT BOOK

ensions			Contents	Reference to last Measurem
	Breadth 5	Depth 6	7	8
			Share de Payable as cal meang including loadi -0 KM with ave cond as per ca tion.	
			571.95 m³	40151=00
			Total RS -	3755098 37,55,557

M. A. R. 57 (Rule 116)
Measurement Book

No. B

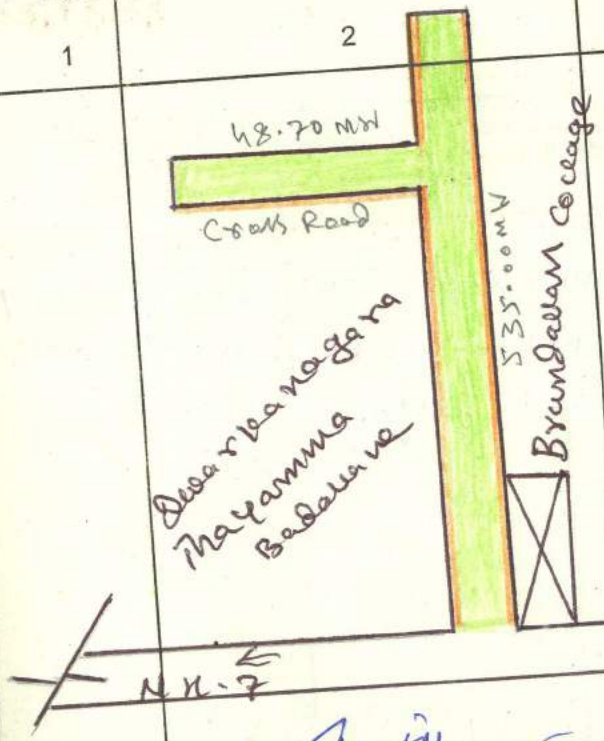
263132

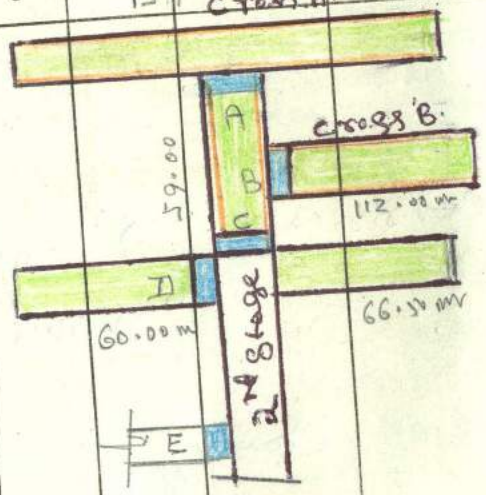
erial No. .....
me of Work ..... From..... To.....
me of Contractor of nature of Agency .....
ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Certificate. 1) Certified that the work done satisfactory 2) This bill amount has not been claimed in any of previous bill. Assistant Executive Engineer Byatarayanapura Sub Division B.B.M.P. Bangalore 30/6/2016						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Basanagara.	
						154.00 MW	
						Cross A.	





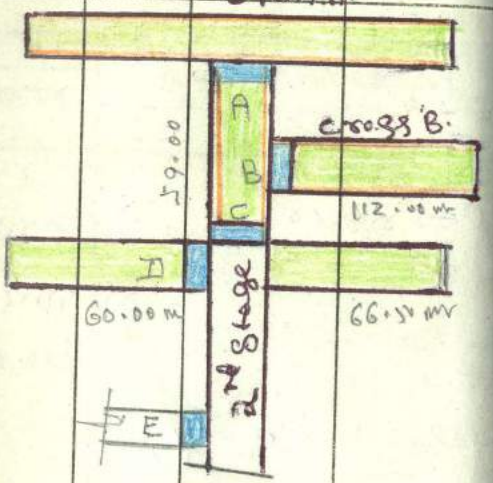
Assistant Engineer
Byatarayanapura sub division
B.B.M.P. Bangalore

Serial No. .....
Name of Work .....
Name of Contractor of nature of agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2

NT BOOK

ensions			Contents	Referen to last Measuren
	Breadth 5	Depth 6	Basanagasa.	8
		154.00 MW	Cross A.	



M. A. R. 57 (Rule 116)
Measurement Book

No. B

263133

...al No. .....
...me of Work .....
...me of Contractor of nature of Agency .....
...e of commencement of work .....

..... From..... To.....

...te	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8

ಮಳ್ಳು ಕಾಮಗಾರಿ ಕೆ.ಸಿ. 3750357=00
ಕಡಿಮೆ ಮಾಡಿ ಮಾಡಿದ ಕಾಮಗಾರಿ ಕೆ.ಸಿ. 293326=
ಕಾಮಗಾರಿ ಮಾಡಿಕೊಡಲು ಬಾಕಿ ಮೊತ್ತ
ಕೆ.ಸಿ. 34,57,231=00
ಈ ಮೊತ್ತವನ್ನು ಪಾವತಿಸಲು

ಕಿರಿಯ ಅಭಿಯಂತರರು
ಬೆಂಗಳೂರು
ಮಾಲೂರು ಉಪವಿಭಾಗ
ಜಿ.ಪಂ. ಮಾ.ಪಂ.

ಸಹಾಯಕ ಅಭಿಯಂತರರು ದರ್ಜೆ-1
ಮಾಲೂರು ಉಪವಿಭಾಗ
ಜಿ.ಪಂ. ಮಾ.ಪಂ.

25/7/16.

...Junior
...ist Division
...Bangalore